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DISSERTATIONS FOR DOCTORATE AND CANDIDATE DEGREES  
SUBMITTED TO "ELEKTRICHESTVO"

The following dissertations for doctorate and candidate degrees have been submitted to Elektrichestvo:

Dissertation for Doctor's Degree

1. "The Problem of Reducing the Specific Volume of Paper Capacitors" (Problema snizheniya udel'nogo ob'yema bumazhnykh kondensatorov), V. T. Renne, LPI (Leningrad Polytechnic Institute).

Dissertations for Candidate's Degree

2. Deionization and the Ignition Potential of a Rarefied Gas in the Presence of Residual Ionization" (Deionizatsiya i potentsial zazhiganiya razrezhennogo gaza pri malichii ostatochnoy ionizatsii), S. I. Ardonova, VEI (All-Union Electrical Engineering Institute).

3. "Study of the Performance of an Electric Machine Amplifier With Transverse Excitation in Motor Operation" (Issledovaniye raboty elektromashinnogo usilitelya s poperechnym vozobuzhdeniem v dvigatel'nom rezhime), V. A. Borisov, Ivanovo Power Institute.

4. "Study of Leakage in Electric Machines" (Issledovaniye Rasseyaniya v elektricheskikh mashinakh), A. I. Vol'dek, LPI.

5. "Analysis of Various Systems of Autoelectric Diagram Reproduction" (Analiz razlichnykh sistem elektroavtomaticheskogo kopirovaniya po chertezhu), M. S. Voroshilov, LPI.

6. Methods of Calculating the Operating Time in Electromagnetic Delayed-Action Circuit Breakers" (Metody rascheta vremeni srabatyvaniya elektromagnitnykh vyklyuchateley s vyderzhkoy vremenii), N. K. Gal'perin, LPI.

7. "Analytical Methods of Determining Currents and Voltages During Short Circuiting With a Simultaneous Phase Break" (Analiticheskiye metody opredeleniya tokov i napryazhenii pri korotkikh zamkaniyah s odnovremennym obryvom faz), F. M. Gorbatov, LPI.

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8. "A Method of Calculating Leakage Flux and the Traction Characteristics of Tractive Electromagnets With Armatures Having a Flat Working End" (Metod rascheta potokov rasseyaniya i tyagovykh kharakteristik vtyazhnykh elektromagnitov s ploskoy formoy rabochego kontsa yakorya), V. V. Kaplan, LPI.

9. "Some Generalizations on the Theory of Feedback" (Nekotoriye obobshcheniya teorii obratnoy svyazi), N. G. Maksimovich, L'vov Polytechnical Institute.

10. "Study of the Optimum Parameters of a Hydroelectric Power Station in a System in Which Hydroelectric Power Predominates" (Issledovaniye optimal'nykh parametrov ges v sisteme s preobladaniem gidroenergii), G. P. Mamradze, MEI (Moscow Electrical Engineering Institute).

11. "Deionization of a Rarefied Gas With a Large Inverse Voltage" (Deionizatsiya razrezhennogo gaza pri bol'shom obratnom napryazhenii), B. G. Mendeleyev, VEI.

12. "The Anode Area of a Mercury Discharge" (Anodnaya oblast' rtut-nogo razryada), N. A. Neretina, VEI.

13. "Methods of Reducing the Error in Single-Wire Current Transformers Built Into Oil Breakers" (Sposoby umen'sheniya pogreshnosti odnoprovodnykh transformatorov toka, vstroyennykh v maslyanyye vyklyuchateli), K. I. Roystacher, Electrical Engineering Institute, Academy of Sciences, Ukrainian SSR.

14. "Differential Electric Measuring Instruments With Copper Oxide Rectifiers" (Differentsial'nyye elektroizmeritel'nyye pribory s mednozakisnymi vpryamitel'yami), B. S. Sinitsyn, L'vov Polytechnic Institute.

15. "Some Problems in the Theory of Arc-Quenching Devices With Autoblast" (Nekotoriye voprosy teorii dugogasyashchikh ustroystv s avtodut'ym), O. P. Sitnikov, Ural Polytechnic Institute.

16. "Study of Circuits With Electric Machine Exciters" (Issledovaniye skhem s elektromashinnym vozbusditelem), O. V. Slezhanovskiy, MEI.

17. "Study of Electrical Phenomena in Insulation by Taking Oscillographs of Current Losses." (Issledovaniye elektricheskikh yavlenii v izolyatsii otsillografirovaniem toka poter'), V. M. Faynitskiy, LPI.

18. "An Estimate of the Effect of Rectifier Loads When Calculating Non-Symmetrical Conditions in Power Systems" (Uchet vliyaniya vpryamitel'-noy nagruzki pri raschetakh nesimmetrichnykh rezhimov v energosistemakh), E. G. Feynshteyn, Power Engineering Institute, Academy of Sciences, Uzbek SSR.

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